

66-15947-1000
Sub
A3

<120> Inhibition of Angiogenesis By High Molecular Weight Kininogen Domain 3 Peptide Analogs

<140>

<150> 60/112,427

<151> 1998-12-16

<160> 21

<170> PatentIn Ver. 2.0

 $\langle 210 \rangle$ 1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Human high molecular weight kininogen (HK) fragment from domain 3 thereof

<400> 1

Asn Asn Ala Thr Phe Tyr Phe Lys

1

5

 $\langle 210 \rangle$ 2

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of human HK domain 3

 $\langle 400 \rangle$ 2

Thr Leu Thr His Thr/Ile Thr Lys Leu Asn Ala Glu

1

5/

10

<210> 3
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 3

Ile Asp Asn Val Lys Lys Ala Arg Val Gln Val Val
1 5 10

<210> 4

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 4

Thr Leu Thr His Thr Ile Thr Lys Leu Asn Ala Glu Asn Asn Ala Thr
1 5 10 15

Phe Tyr Phe Lys Ile Asp Asn Val Lys Lys Ala Arg Val Gln Val Val
20 25 30

<210> 5

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 5

Cys Val Gly Cys
1

<210> 6
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 6

Gly Lys Asp Phe Val Gln Pro Pro Thr Lys Ile
1 5 10

<210> 7

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 7

Pro Arg Asp Ile Pro Thr Asn Ser Pro Glu Leu Glu
1 5 10

<210> 8

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 8

Gly Lys Asp Phe Val Gln Pro Pro Thr Lys Ile Cys Val Gly Cys Pro
1 5 10 15

Arg Asp Ile Pro Thr Asn Ser Pro Glu Leu Glu
20 25

<210> 9

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 9

Thr Ile Thr Lys Leu Asn Ala Glu Asn Asn Ala Thr Phe Tyr Phe Lys
1 5 10 15

<210> 10

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 10

Asn Asn Ala Thr Phe Tyr Phe Lys Ile Asp Asn Val Lys Lys Ala Arg
1 5 10 15

<210> 11

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 11

Thr Lys Ile Cys Val Gly Cys Pro Arg Asp Ile Pro Thr Asn Ser Pro
1 5 10 15

<210> 12

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Analog of
human HK domain 3 fragment

<400> 12

Leu Asp Ala Asn Ala Glu Val Tyr

1

5

<210> 13

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 13

Thr Glu Ser Cys Glu Thr Lys Lys Leu Gly Gln Ser

1

5

10

<210> 14

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 14

Val Val Pro Trp Glu Lys Lys Ile Tyr Pro Thr Val

1

5

10

<210> 15

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 15

Glu Thr Lys Lys Leu Gly Gln Ser Leu Asp Ala Asn Ala Glu Val Tyr

1

5

10

15

<210> 16

<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Analog of
human HK domain 3 fragment

<400> 16

Leu Asp Ala Asn Ala Glu Val Tyr Val Val Pro Trp Glu Lys Lys Ile
1 5 10 15

<210> 17

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Analog of
human HK domain 3 fragment

<400> 17

Thr Glu Ser Cys Glu Thr Lys Lys Leu Gly Gln Ser Leu Asp Ala Asn
1 5 10 15

Ala Glu Val Tyr Val Val Pro Trp Glu Lys Lys Ile Tyr Pro Thr Val
20 25 30

<210> 18

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Human HK
domain 3

<400> 18

Gly Lys Asp Phe Val Gln Pro Pro Thr Lys Ile Cys Val Gly Cys Pro
1 5 10 15

Arg Asp Ile Pro Thr Asn Ser Pro Glu Leu Glu Glu Thr Leu Thr His
20 25 30

Thr Ile Thr Lys Leu Asn Ala Glu Asn Asn Ala Thr Phe Tyr Phe Lys
 35 40 45

Ile Asp Asn Val Lys Lys Ala Arg Val Gln Val Val Ala Gly Lys Lys
 50 55 60

Tyr Phe Ile Asp Phe Val Ala Arg Glu Thr Thr Cys Ser Lys Glu Ser
 65 70 75 80

Asn Glu Glu Leu Thr Glu Ser Cys Glu Thr Lys Lys Leu Gly Gln Ser
 85 90 95

Leu Asp Cys Asn Ala Glu Val Tyr Val Val Pro Trp Glu Lys Lys Ile
 100 105 110

Tyr Pro Thr Val Asn Cys Gln Pro Leu Gly Met
 115 120

<210> 19

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Human HK
 domain 3

<400> 19

Tyr Phe Ile Asp Phe Val Ala Arg Glu Thr Thr Cys Ser Lys Glu Ser
 1 5 10 15

<210> 20

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Analog of
 human HK domain 3 fragment

<400> 20

Tyr Phe Ile Asp Phe Val Ala Arg Glu Thr Thr Ala Ser Lys Glu Ser
 1 5 10 15

<210> 21

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Fragment of
human HK domain 3

<400> 21

Leu Asp Cys Asn Ala Glu Val Tyr

1

5

09451061 1216399